# APM MEZZANINE - LIGHTING AND FINISH REPLACEMENT

# COA CONTRACT No. FC-6006007929 A WBS NUMBER -- H.03.08.082 100% CONSTRUCTION DOCUMENTS, ISSUED FOR BID JUNE 6, 2013









HEERY INTERNATIONAL, INC. 999 PEACHTREE STREET, NE ATLANTA, GA 30309 PHONE: 404.419.9190 FAX: 404.946.2017 MATRIX 3D 44 BROAD STREET ATLANTA, GA 30303 PHONE: 404.522.3801 FAX: 404.522.3823

RICHARD WITTSCHIEBE HAND ARCHITECTS

15 SIMPSON STREET

ATLANTA, GA 30308

PHONE: 404.688.2200

FAX: 404.688.2400

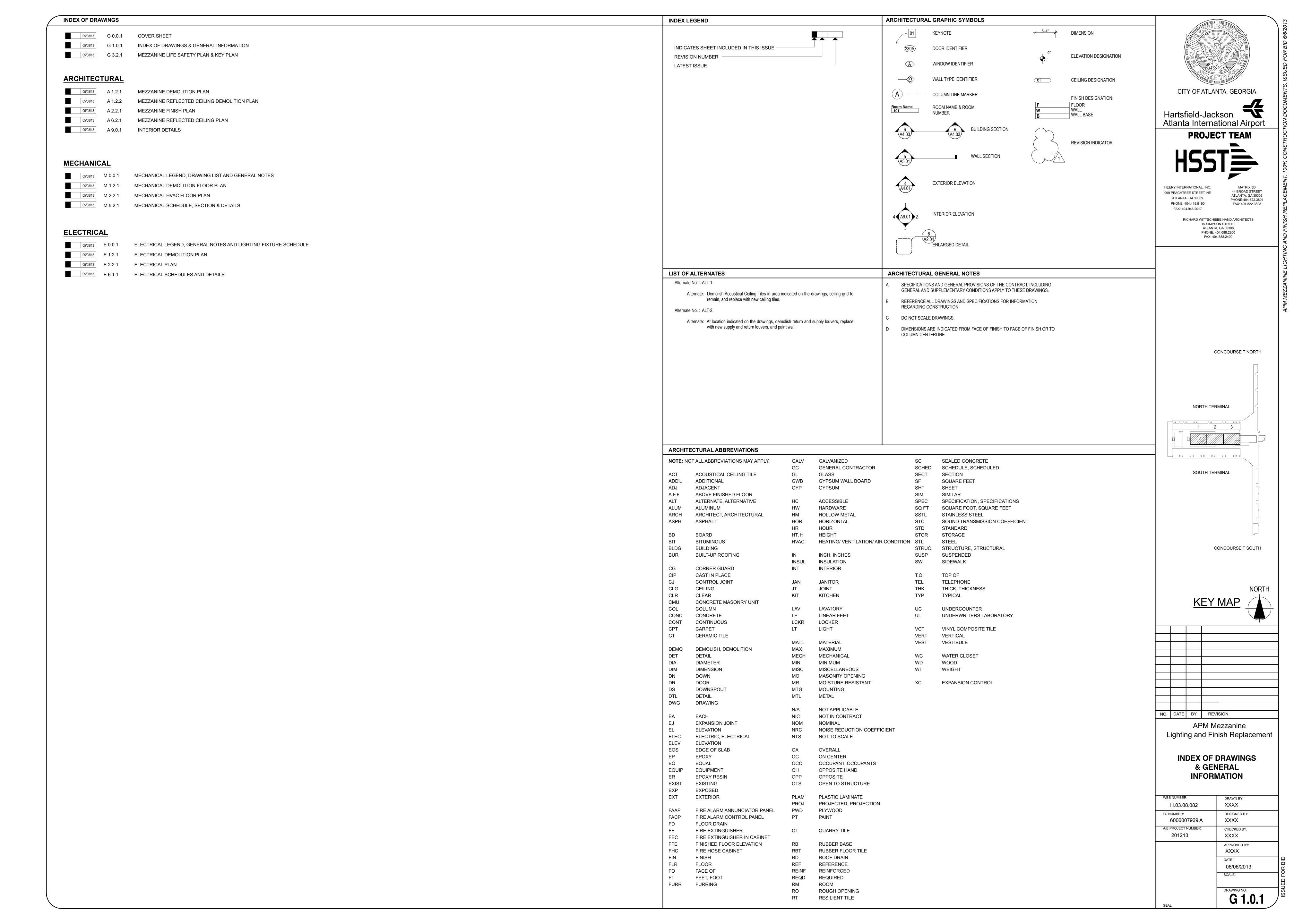
CHATTANOOGA

ATLANTA, GA

ATLANTA, GA

Hartsfield-Jackson
Atlanta International Airport

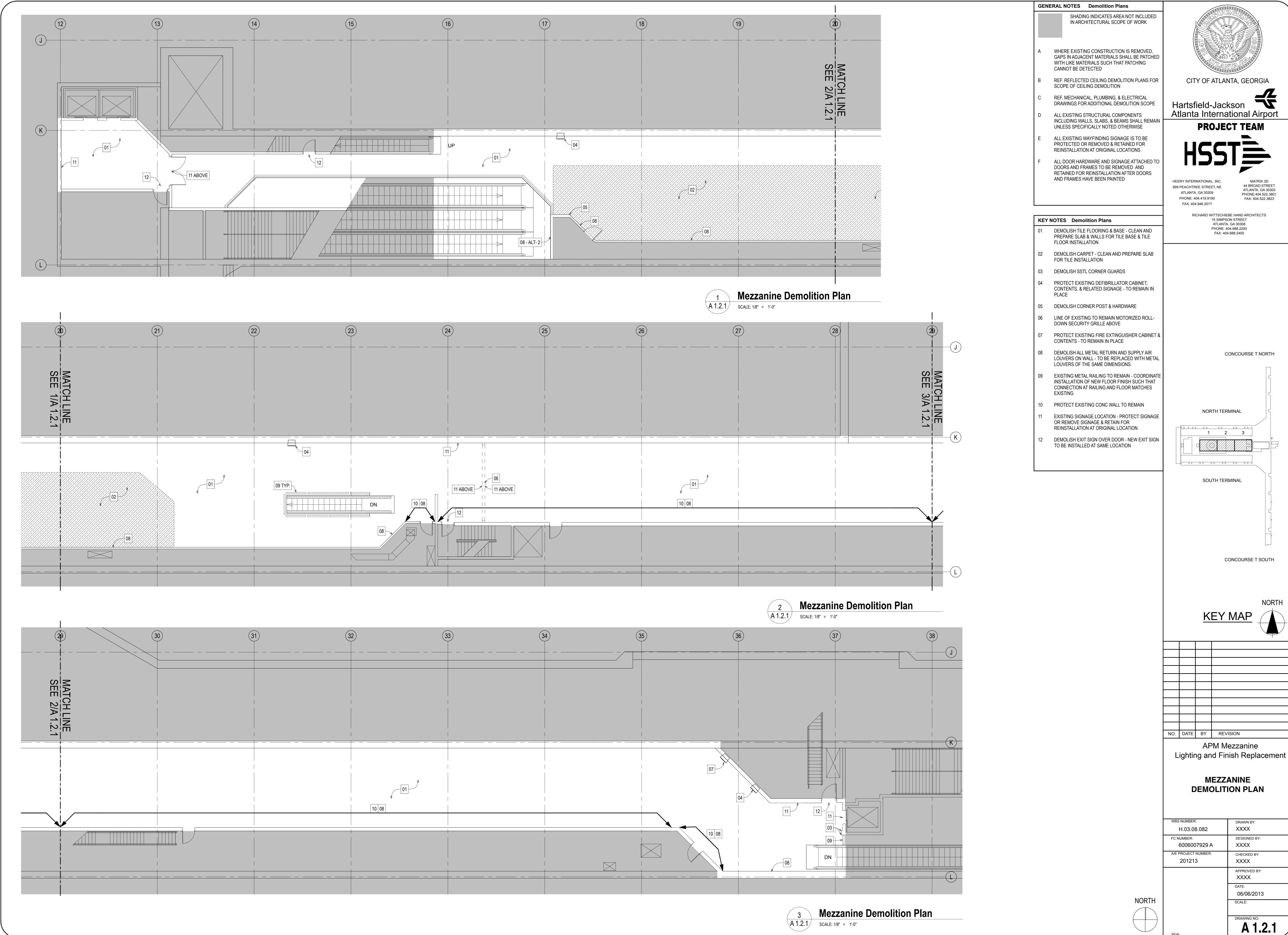
AIRPORT LOCATION MAP



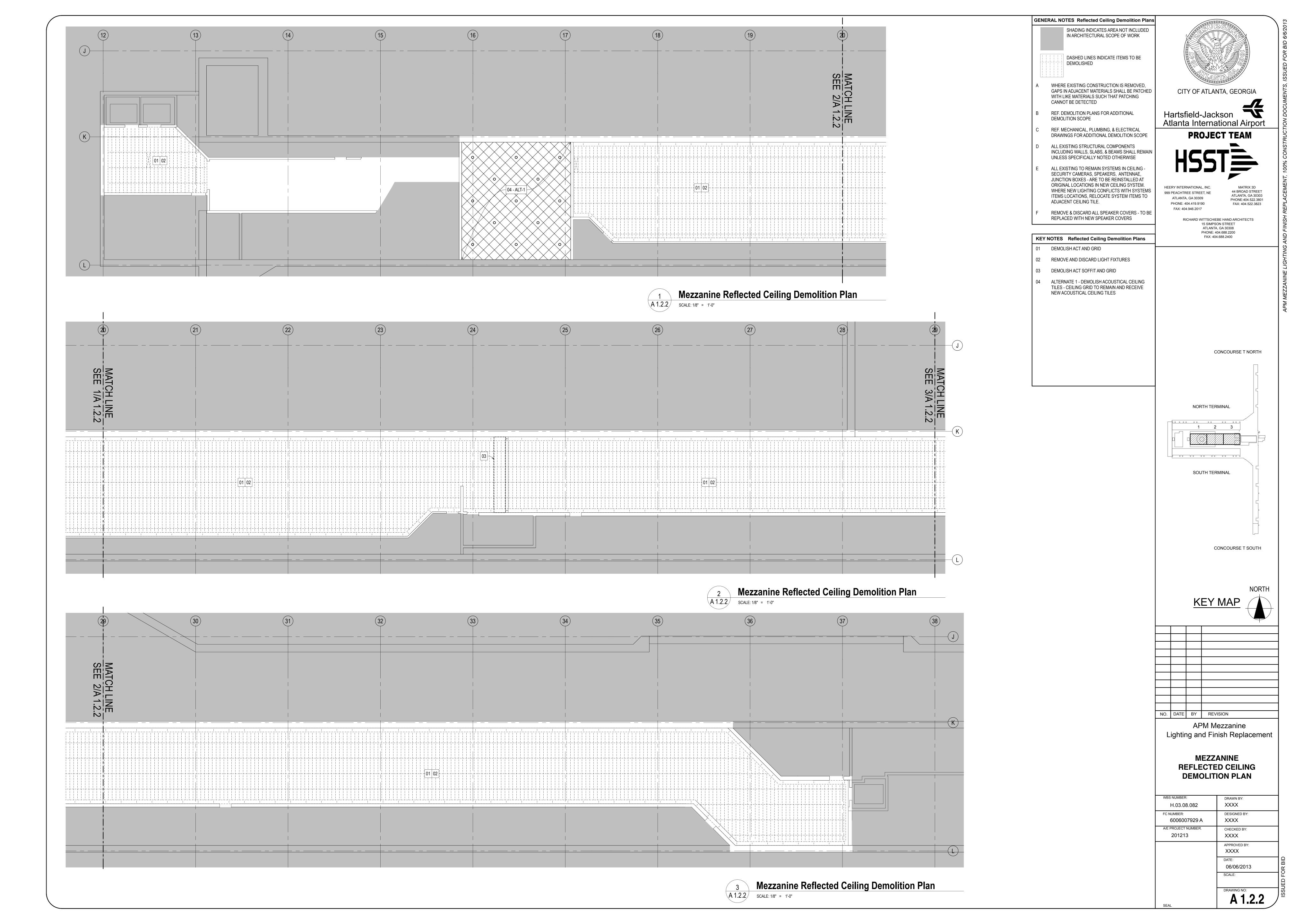
**CODE ANALYSIS** SHADING INDICATES AREA NOT Project Name: APM Mezzanine Lighting and Finish Replacement INCLUDED IN ARCHITECTURAL SCOPE OF Project Address: Hartsfield-Jackson Atlanta International Airport Project City/State: Atlanta, GA Date Submitted: Date Approved: Revision Number and Date: Permit Number: CITY OF ATLANTA, GEORGIA Temporary Certificate of Occupancy: Certificate of Occupancy: LEGEND Life Safety Plans Hartsfield-Jackson Code Officials: Atlanta International Airport EMERGENCY EXIT SIGN LOCATION Prepared By: **PROJECT TEAM** EXISTING DEFIBRILLATOR IN I. Applicable Codes and Ordinances CABINET TO REMAIN Building 2006 International Building Code with Georgia Amendments EXISTING FIRE EXTINGUISHER **⊟**FEC 2006 International Residential Code with Georgia Amendments IN CABINET TO REMAIN Life Safety 2006 International Fire Code with Georgia Amendments 2000 National Fire Protection Association (NFPA) 101 Life Safety Plumbing 2006 International Plumbing Code with Georgia Amendments Mechanical 2006 International Mechanical Code with Georgia Amendments 2006 International Fuel Gas Code with Georgia Amendments HEERY INTERNATIONAL, INC. Gas 44 BROAD STREET 2005 National Electrical Code with no Georgia Amendments **Electrical** 999 PEACHTREE STREET, NE ATLANTA, GA 30303 2009 International Energy Conservation Code with Georgia Energy ATLANTA, GA 30309 PHONE:404.522.3801 supplements and Amendments PHONE: 404.419.9190 FAX: 404.522.3823 Accessibility ADAAG w/ Georgia Accessibility Law, Ch 120-3-20. FAX: 404.946.2017 RICHARD WITTSCHIEBE HAND ARCHITECTS 15 SIMPSON STREET SCOPE OF THIS PROJECT INCLUDES FINISH & LIGHTING ATLANTA, GA 30308 PHONE: 404.688.2200 UPGRADES ONLY - NO CHANGES WILL BE MADE TO FAX: 404.688.2400 CONFIGURATION OF WALLS OR EXITS, EXITING DOOR HARDWARE, OR EXITING SIGNAGE TYPE AND LOCATION. CONCOURSE T NORTH 19 23 30 NORTH TERMINAL SOUTH TERMINAL CONCOURSE T SOUTH Mezzanine Life Safety Plan

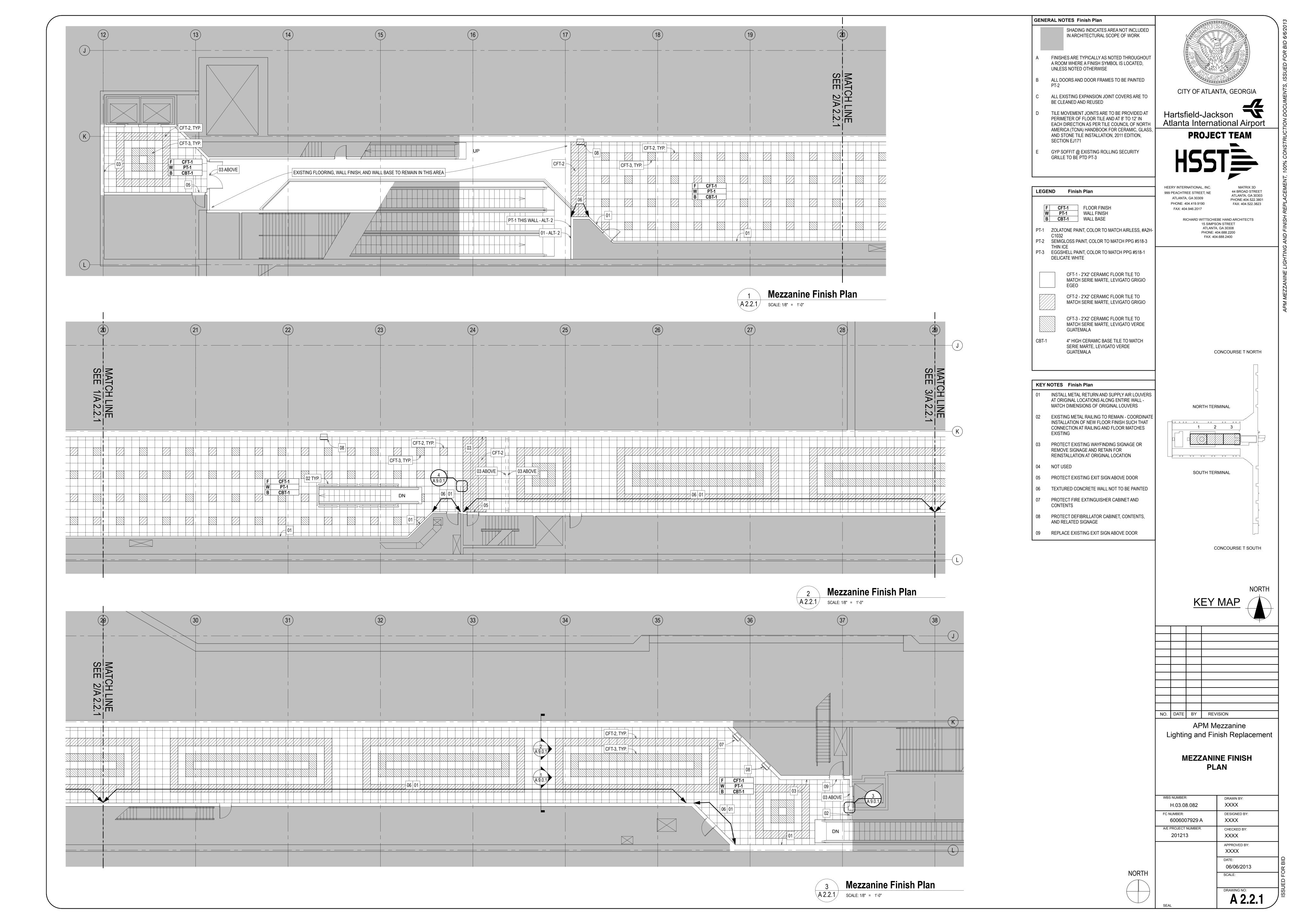
SCALE: 1" = 20' KEY MAP NO. DATE BY REVISION **APM Mezzanine** Lighting and Finish Replacement **MEZZANINE LIFE SAFETY PLAN & KEY PLAN** XXXX H.03.08.082 FC NUMBER: DESIGNED BY: 6006007929 A A/E PROJECT NUMBER. APPROVED BY: XXXX 06/06/2013

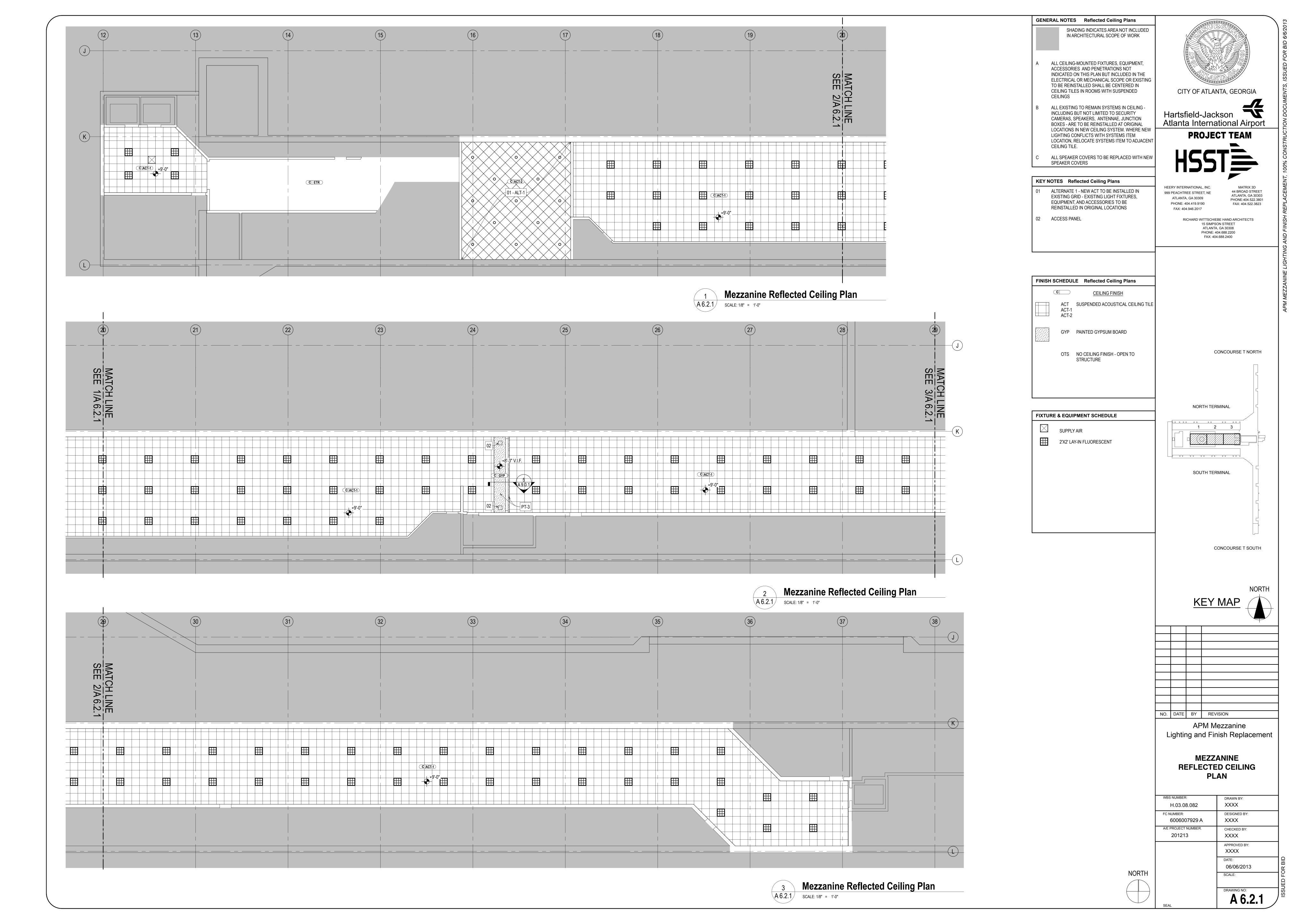
GENERAL NOTES Life Safety Plans

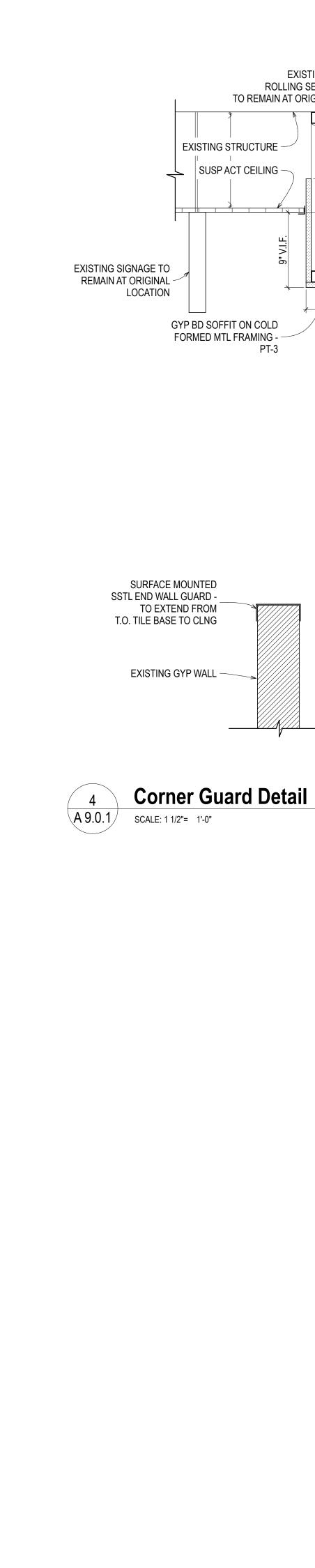


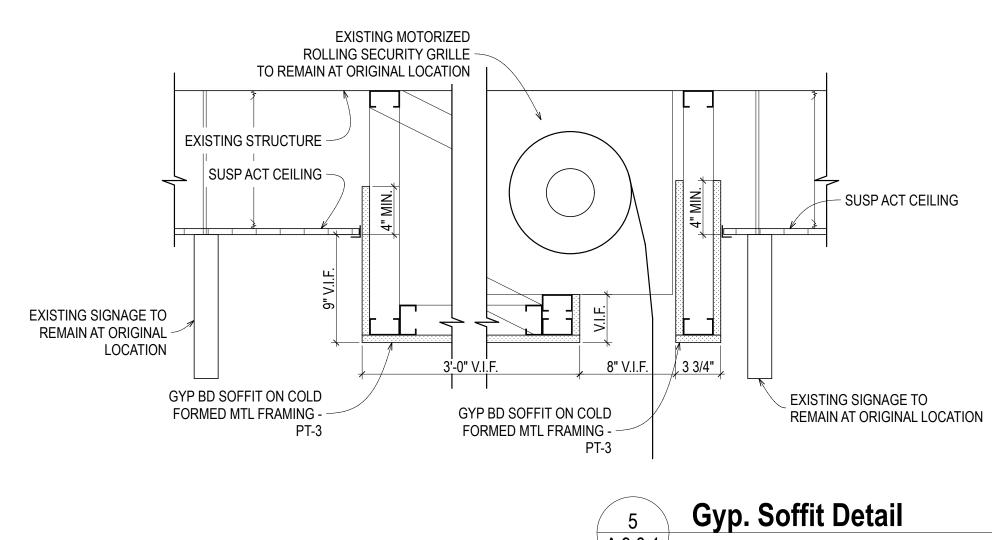
WBS NUMBER:	DRAWN BY:
H.03.08.082	XXXX
FC NUMBER:	DESIGNED BY:
6006007929 A	XXXX
A/E PROJECT NUMBER.	CHECKED BY:
201213	XXXX
	APPROVED BY:
	XXXX
	DATE:
	06/06/2013
	SCALE:

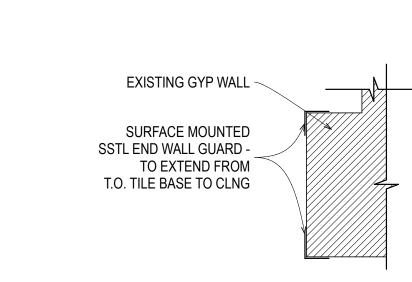






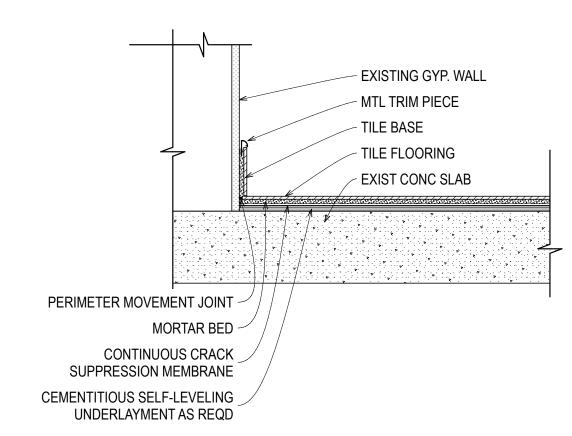






A 9.0.1 SCALE: 1 1/2"= 1'-0"

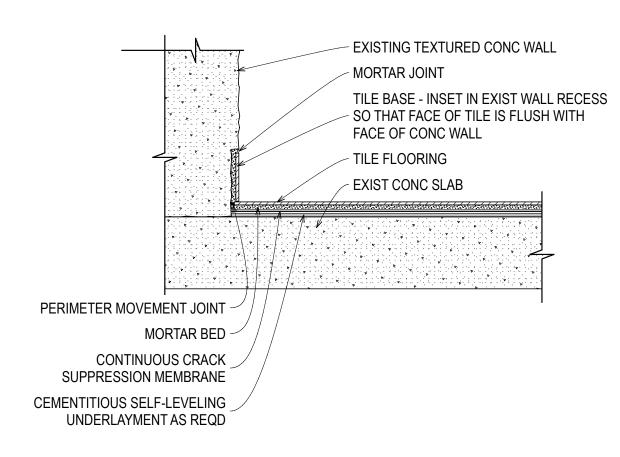
**Corner Guard Detail** A 9.0.1 SCALE: 1 1/2"= 1'-0"





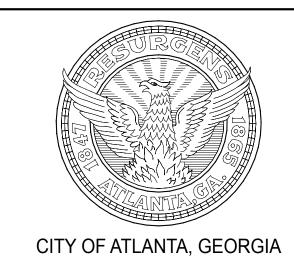
Typ. Tile Base Detail @ Gyp. Wall

SCALE: 1 1/2"= 1'-0"



1 Typ. Tile Base Detail @ Concrete Wall

A 9.0.1 SCALE: 1 1/2"= 1'-0"



Hartsfield-Jackson Atlanta International Airport



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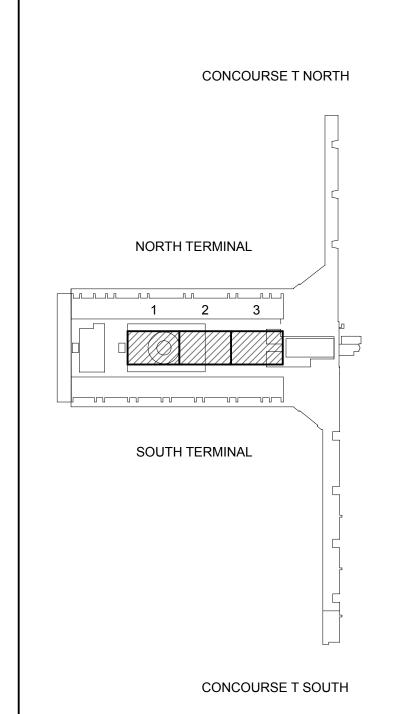
> RICHARD WITTSCHIEBE HAND ARCHITECTS 15 SIMPSON STREET ATLANTA, GA 30308 PHONE: 404.688.2200 FAX: 404.688.2400

MATRIX 3D 44 BROAD STREET

ATLANTA, GA 30303

PHONE:404.522.3801

FAX: 404.522.3823



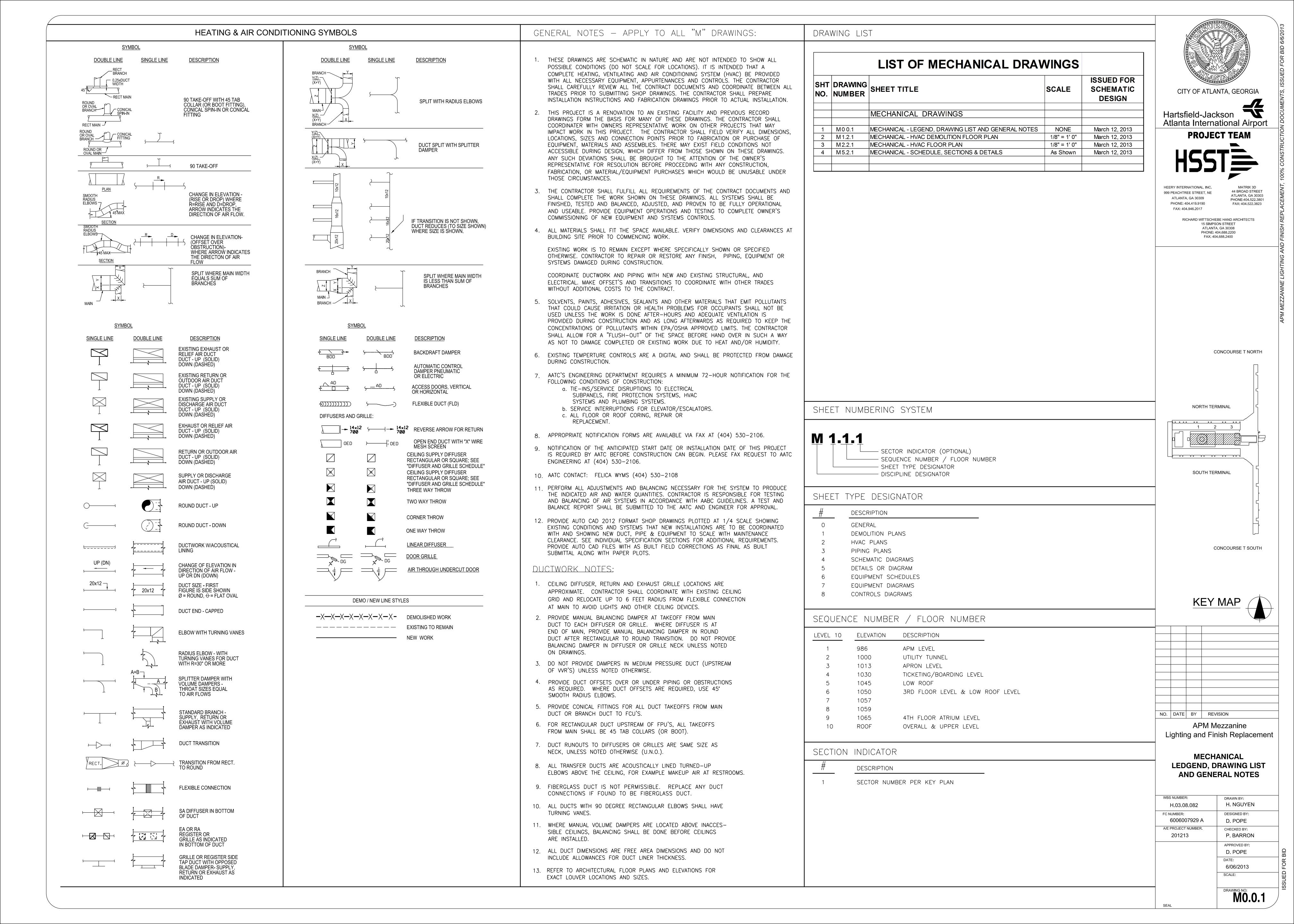


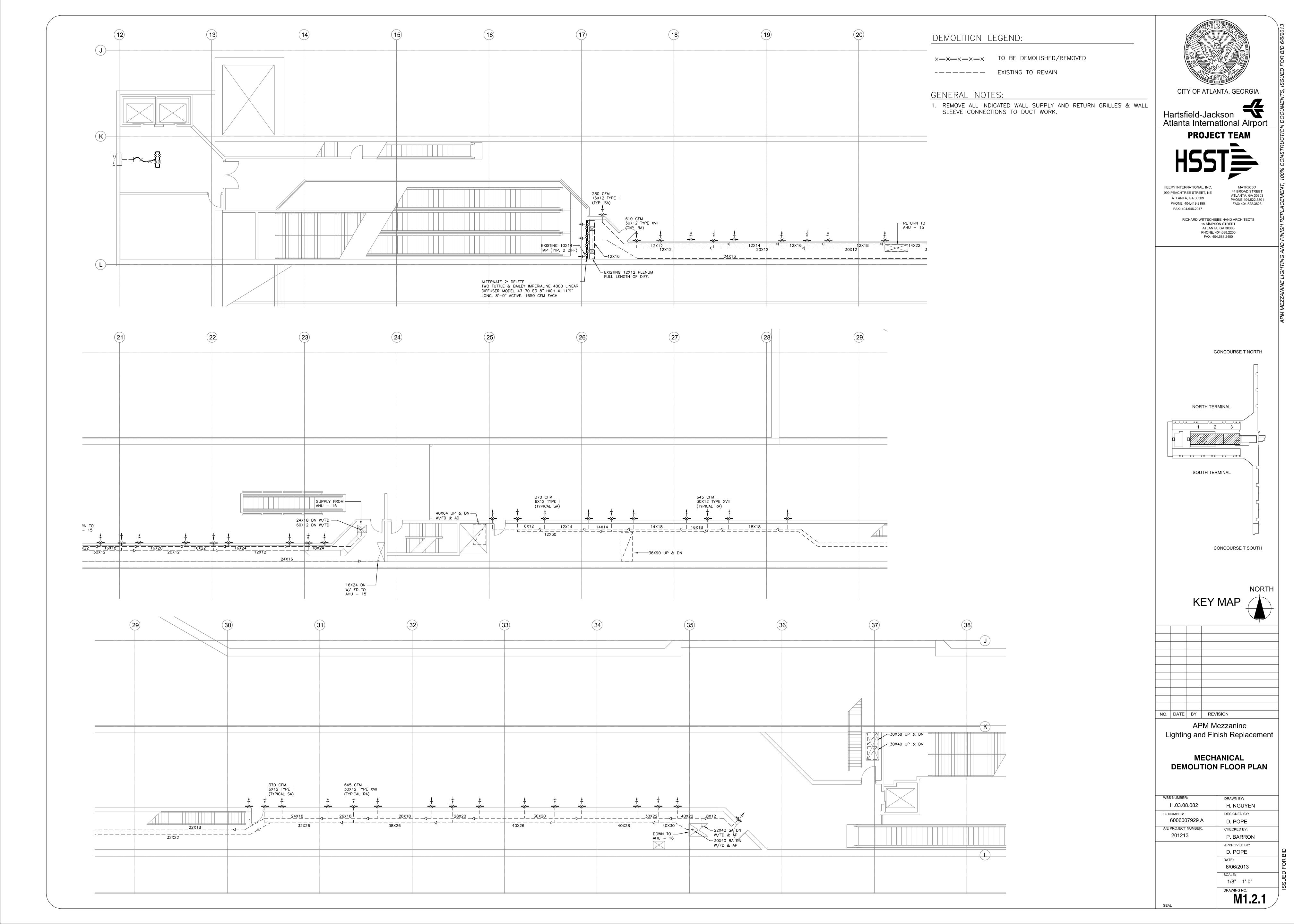
NO. DATE BY REVISION

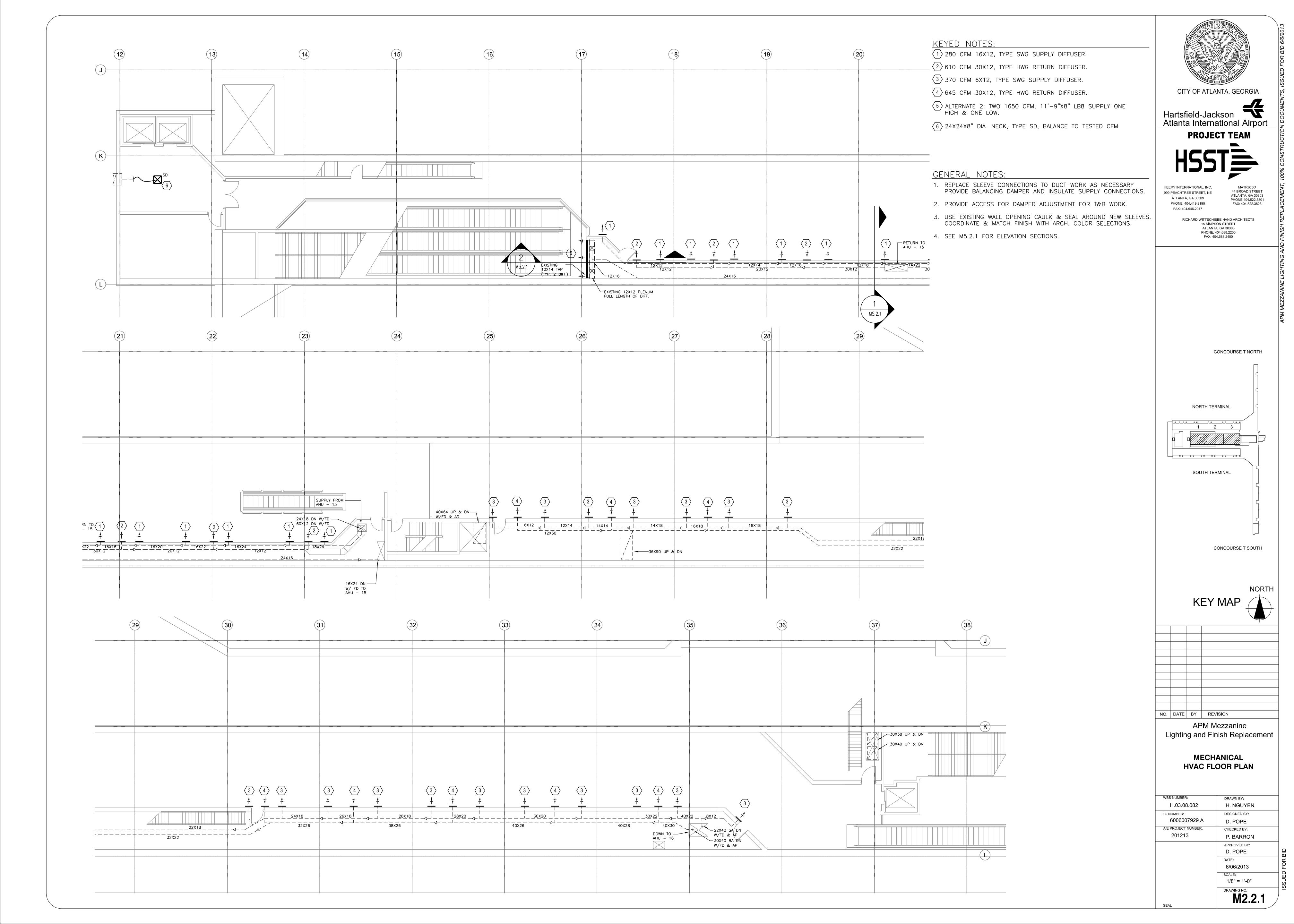
**APM Mezzanine** Lighting and Finish Replacement

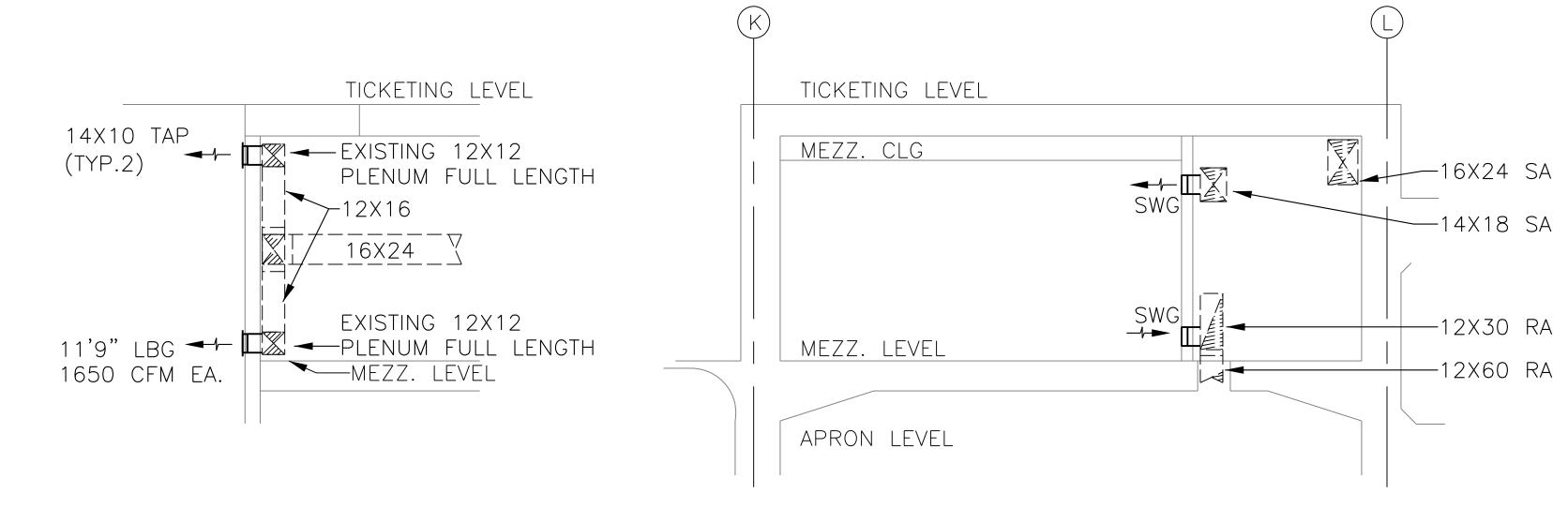
**INTERIOR DETAILS** 

WBS NUMBER: H.03.08.082	DRAWN BY:
FC NUMBER: 6006007929 A	DESIGNED BY:
A/E PROJECT NUMBER. 201213	CHECKED BY:
	APPROVED BY: XXXX
	DATE: 06/06/2013 SCALE:
	SCALE:  DRAWING NO:
SEAL	A 9.0.1











# **MECHANICAL SECTION**



						DIFFUS	ERS &	GRILLES							
REFERENCE DESCRIPTION		SERVICE	FACE	SLOTS OR BLADES		MATERIALS	FINISH	COLOR		BORDER	FRAME	MAX.	ACCESS-	BASIS OF DESIGN	
				SPACING (IN.)	DEFLECTION (DEG)			FACE	INTERIOR			N.C.	ORIES	MANUF.	MODEL
SAD	ARCHITECTURAL CEILING SQUARE PLAQUE	SUPPLY	FULL FACE ARCH. PLAQUE			ALUMINUM	PAINTED	WHITE		VARIES	LAY-IN 2'X2' CEILING TYPE	25		TITUS	OMNI-AA-N
HWG	HEAVY DUTY WALL GRILL	RETURN	HEAVY DUTY RETURN GRILLE	1/2" HORIZ. BARS	30 DEG	ALUMINUM	PAINTED	WHITE SELECTED BY ARCHITECT	BLACK	1-1/4 FLANGED & AUXILLIARY	RECESSED ALUMINUM PLASTER FRAME	30	С	TITUS	63FL
SWG	SIDE WALL GRILLE	SUPPLY	DBL. DEFLECT. HORIZ. BLADE W/ VERT. BLADE BEHIND	0.75"	ADJUSTABLE	ALUMINUM	PAINTED	WHITE SELECTED BY ARCHITECT	BLACK	1-1/4 FLANGED & AUXILLIARY	RECESSED ALUMINUM PLASTER FRAME	25	В	TITUS	272FS
LB8	LINEAR BAR GRILLE	EXHAUST 1/8" BARS 8 INCHES WIDE	Varies	0.25"	15 DEG UP	ALUMINUM	PAINTED	WHITE SELECTED BY ARCHITECT	BLACK	1-1/4 FLANGED & AUXILLIARY	NONE, SURFACE MOUNTED	25	E, F	TITUS	CT 481

GENERAL NOTES: (APPLIES TO ALL DIFFUSERS AND GRILLES)

1. PROVIDE GRILLES SIZED FOR DIMENSIONS INDICATED ON DRAWINGS 2. PROVIDE BALANCING DAMPERS IN DUCT SLEEVE CONNECTIONS TO EACH GRILLE, OR DUCT CONNECTIONS TO PLENUM BOX WHERE SHOWN.

3. VERIFY SHADE OF WHITE WITH ARCHITECT COLOR SELECTION.

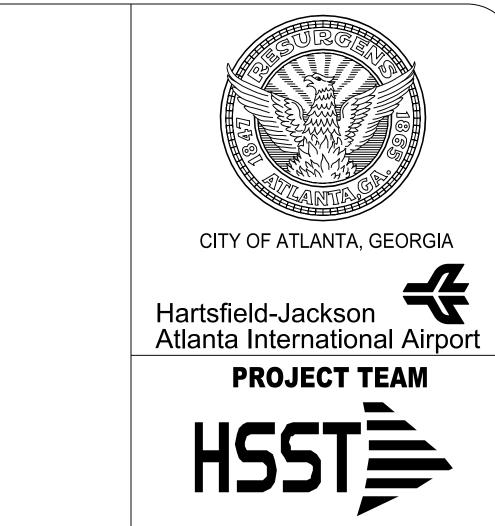
ACCESSORIES / NOTES A. OPPOSED BLADE DAMPER

B. VERTICAL BLADES BEHIND CORE FOR HORIZONTIAL DEFLECTION.

C. HEAVY DUTY

D. END CAPS

E.INTERNALLY INSULATED BOOT BOX F. CONCEALED FASTENING (TITUS TYPE C)

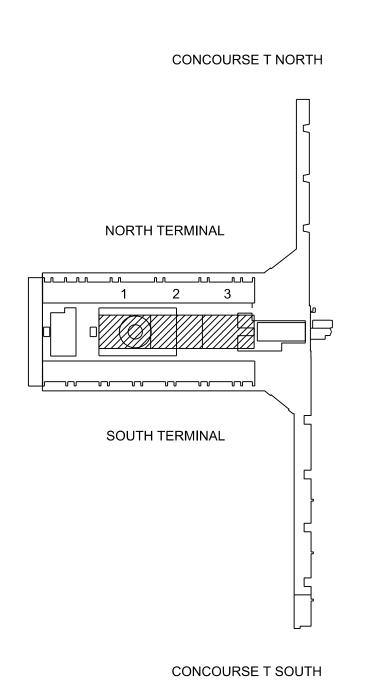


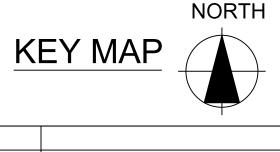


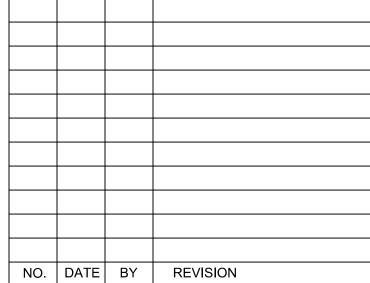
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**APM Mezzanine** Lighting and Finish Replacement

> **MECHANICAL** SCHEDULE, SECTION & DETAILS

WBS NUMBER:	T
	DRAWN BY:
H.03.08.082	H. NGUYEN
FC NUMBER:	DESIGNED BY:
6006007929 A	D. POPE
A/E PROJECT NUMBER.	CHECKED BY:
201213	P. BARRON
	APPROVED BY:
	D. POPE
	DATE:
	6/06/2013
	SCALE:
	1/4" = 1'-0"

SEAL

	LIGHTING FIXTURE SC	HEDULE	FIXTURE CATALOG NUMBER DOES NOT REFLECT TRIM OR FLANGE REQUIRED FOR A SPECIFIC CEILING TYPE IN A ROOM. CONTRACTOR SHALL VERIFY CEILING TYPES FROM ARCHITECTURAL DRAWINGS TO DETERMINE WHETHER FIXTURE REQUIRES TYPE G, F, PF, MT OR ST TRIM.					
TYPE	DESCRIPTION	MANUFACTURER	SERIES NUMBER	MOUNTING	(#) LAMPS	NOTES		
					LUMENS			
					CRI, COLOR			
Α	2'x2' FLUORESCENT, 3" DEEP PARABOLIC	LITHONIA/ METALUX	2PM3N/ 2EP3	RECESSED	(3) F32T8U	PROVIDE ELECTRONIC BALLAST		
	LOW IRIDESCENCE, SEMI-SPECULAR,	DAYBRITE/ COLUMBIA	2LP3/ P4D		2950	WITH <10% THD.		
	RETURN AIR TROFFER, 3 LAMP, 9 CELL	LIGHTOLIER	DPA		82, 3500K			
X	UNIVERSAL MOUNT CAST ALUMINUM LED	LITHONIA/ SURE-LITE	LES/CAX	WALL OR CEILING	LED	SINGLE OR DOUBLE FACE WITH OR		
	EXIT SIGN, RED LETTERS, STENCIL FACE	MCPHILBEN/ DUAL-LITE	55L/ SES	AS INDICATED	(INCLUDED)	WITHOUT DIRECTIONAL ARROWS, AS INDICATED		

# SLAB CORE REQUIREMENT NOTE:

TYPICAL FLOOR SLAB HAS MAIN REINFORCING STEEL RUNNING TRANSVERSE TO THE POST TENSIONED BEAMS/JOIST AND TEMPERATURE REINFORCING STEEL LONGITUDINAL TO THE MEMBERS, ALL PENETRATIONS OF EXISTING CONCRETE FLOOR, WALLS AND CEILING REQUIRE AUTHORIZATION BY THE DEPARTMENT OF AVIATION (DOA). THE BASIC REQUIREMENTS FOR AUTHORIZATION ARE INDICATED BELOW. ALL PROPOSED CORES SHALL BE LOCATED A MINIMUM OF 1'- 0" CLEAR DISTANCE FROM THE TOP EDGE OF AN EXISTING JOIST OR BEAM THE FOLLOWING SEQUENCE OF OPERATIONS SHALL BE PERFORMED AT EACH PROPOSED CORE HOLE LOCATION OR OTHER PENETRATIONS BEFORE APPROVAL WILL BE GRANTED.

- A. LAYOUT LOCATION AS MEASURED FROM THE NEAREST BEAM/JOIST AND COLUMN INCLUDING SIZE OF PROPOSED CORE HOLE ON
- SCAN THE EXISTING CONCRETE SLAB WITHIN THE LIMITS OF THE PROPOSED CORE HOLE OR PENETRATION LOCATION USING
- APPROVED GROUND PENETRATING RADAR SYSTEM OR OTHER APPROVED SYSTEM UNDERTAKEN BY A CERTIFIED OPERATOR. MAP THE AREA TO BE CORED A MINIMUM OF 1'-0" FROM THE EDGE OF THE CORE HOLE LOCATING REINFORCING STEEL
- CONFIGURATION, ANY EMBEDDED CONDUITS AND POST TENSIONING STRANDS. USE COLORED TAPE TO MARK THEIR LOCATION ON THE CONCRETE SLAB, WHITE WASHABLE CRAYON OR SOAPSTONE IS ACCEPTABLE,
- DRILL A 3/4" DIAMETER PILOT HOLE THE FULL DEPTH OF THE SLAB AT THE CENTERLINE OF THE PROPOSED CORE HOLE AND TABULATE THE DRILL HOLE LOCATION TO THE NEAREST CONCRETE JOIST/BEAM FROM THE SLAB BELOW.
- SUBMIT INFORMATION TO THE DOA DESIGN REVIEW TEAM AND AWAIT RESPONSE BEFORE PERFORMING THE CORING OPERATION.

DEPENDING ON THE PROPOSED PENETRATION LOCATION A STRUCTURAL ENGINEER EVALUATION MAYBE REQUIRED AT THE REQUESTING PARTY'S EXPENSE. PENETRATION THROUGH EXISTING BEAMS, JOISTS AND COLUMNS OR PENETRATION GREATER THAN SIX INCHES IN DIAMETER IS NOT ACCEPTABLE WITHOUT A STRUCTURAL ENGINEER EVALUATION. MULTIPLE PENETRATIONS PERPENDICULAR TO THE JOINT OR BEAM AND LESS THAN 1'-0" CLEAR SPACING PARALLEL TO THE JOIST OR BEAM WILL REQUIRE EVALUATION BY A STRUCTURAL ENGINEER. EXPANSION ANCHORS INTO THE EXISTING SLAB IS PERMITTED, MAXIMUM EMBEDMENT SHALL BE 3 INCHES. DRILLING AND SHOOTING OF ANCHORS INTO THE BOTTOM OF THE CONCRETE JOIST IS PERMITTED, HOWEVER THE ANCHORS SHALL BE NO CLOSER THAN 3'- 0" FROM THE MID-SPAN OF THE MEMBER WITH MAXIMUM EMBEDMENT OF 3 INCHES.

# **GENERAL NOTES:**

- 1. METHODS, MATERIALS AND PROVISIONS OF DIVISION 26 SPECIFICATIONS, GENERAL CONDITIONS AND DIVISION 1 SPECIFICATION SECTIONS ARE AN INTEGRAL PART OF THE BID AND CONSTRUCTION DOCUMENTS AND MUST BE RIGIDI Y ADHERED TO.
- 2. PERFORM ALL WORK IN ACCORDANCE WITH THE 2011 EDITION OF THE NATIONAL ELECTRICAL CODE. IN SOME CASES, PROJECT DRAWINGS AND SPECIFICATIONS EXCEED MINIMUM CODE REQUIREMENTS.
- ALL WIRE AND CABLE SHALL BE COPPER WITH THWN/THHN, 600 VOLT INSULATION. MINIMUM CONDUCTOR SIZE SHALL BE #12 FOR POWER AND LIGHTING CIRCUITS. MINIMUM CONDUCTOR SIZE SHALL BE #14 FOR SIGNAL/CONTROL CIRCUITS. BRANCH & FEEDER ABOVE GROUND-THHN (90° C). BRANCH & FEEDER BELOW GROUND - THWN (75° C). SECONDARY SERVICE ENTRANCE - THWN (75° C).
- 4. #10 AND SMALLER WIRE CONNECTORS SHALL BE 600 VOLT ELECTRICAL SPRING CONNECTORS (IDEAL 451/452 OR 3M E12/512). #8 AND LARGER WIRE CONNECTORS SHALL BE THE SPLIT BOLT TYPE WITH INSULATION OF VINYL PLASTIC PADS AND VINYL PLASTIC TAPE (3M 2200/2210 AND SUPER 33+).
- 5. ALL WIRE AND CABLE SHALL BE INSTALLED IN CONDUIT. MINIMUM CONDUIT SIZE SHALL BE 3/4". MINIMUM BRANCH CIRCUIT HOMERUN CONDUIT SIZE SHALL BE 3/4".
- 6. ELECTRICAL METALLIC TUBING (EMT) WITH COMPRESSION COUPLINGS AND FITTINGS MAY BE USED IN FINISHED AREAS. EMT MAY ALSO BE USED IN UNFINISHED AREAS WHERE PROTECTED IN COLUMN WEBS OR UP IN JOIST SPACE.

- PROVIDE RIGID GALVANIZED STEEL CONDUIT (RGSC) WHERE CONDUIT IS SUSCEPTIBLE TO PHYSICAL DAMAGE AND IN ALL EXTERIOR LOCATIONS ABOVE GROUND.
- 8. PROVIDE STEEL BONDING-TYPE LOCKNUTS AND INSULATED THROAT CONNECTORS WHERE CONDUIT ENTERS PANELBOARD ENCLOSURES. WIREWAYS, STARTERS AND SWITCH ENCLOSURES, JUNCTION BOXES AND ALL METALLIC ENCLOSURE BOXES. FIELD-INSTALLABLE INSERTS WILL NOT BE ALLOWED.
- MAKE FINAL CONNECTIONS TO MOTORS. VIBRATING EQUIPMENT AND WATER HEATERS WITH LIQUID-TIGHT FLEXIBLE METAL CONDUIT(LFMC) AND CONNECTORS. MAKE FINAL CONNECTIONS TO LIGHT FIXTURES WITH FLEXIBLE METAL CONDUIT(FMC) AND CONNECTORS.
- 10. PROVIDE INTUMESCENT FIRESEAL AT ALL SLEEVE AND CONDUIT PENETRATIONS THROUGH FIRE RATED WALLS TO MAINTAIN RATING OF WALLS.
- 11. PROVIDE GREEN COLORED INSULATED GROUNDING CONDUCTOR(S) IN ALL CONDUIT AND RACEWAY SYSTEMS.
- 12. FUSES SHALL BE DUAL-ELEMENT, NEMA CLASS RK1 OR RK5.
- 13. SUPPORT ALL LIGHTING FIXTURES INDEPENDENTLY OF ALL SUSPENDED CEILINGS. SUPPORT THE FIXTURES FROM THE STRUCTURE ABOVE WITH 2#10 TIE WIRES.
- 14. VERIFY ALL DOOR SWINGS WITH THE FINAL ARCHITECTURAL DRAWINGS PRIOR TO ROUGHING-IN ANY SWITCH OUTLET BOXES.

- 15. OUTLETS WHICH ARE NOTED FOR A PARTICULAR PIECE OF EQUIPMENT ARE SO NOTED IN ORDER THAT COORDINATION OF THE LOCATION OF OCCUR. THIS COORDINATION SHALL BE INCLUDED AS PART OF THE WORK OF DIVISION 26.
- 16. OUTLET AND JUNCTION BOXES SHALL NOT BE MOUNTED BACK-TO-BACK IN WALLS. ASSURE MINIMUM 24" HORIZONTAL SEPARATION IN RATED FIRE WALLS AND 6" SEPARATION OTHERWISE.
- 17. CIRCUIT DIRECTORIES FOR PANELBOARDS SHALL BE TYPE-WRITTEN; HAND-WRITTEN DIRECTORIES WILL NOT BE ALLOWED.
- 18. REVIEW CONTROL SCHEMATICS AND DIAGRAMS ON MECHANICAL DRAWINGS IN ORDER TO INCLUDE ACCESSORIES REQUIRED WITH MOTOR CONTROLLER DEVICES PROVIDED UNDER DIVISION 26.
- 19. PROVIDE IC RATED CERTIFICATION TO ANY LIGHT FIXTURES RECEIVING BATT INSULATION COVERING CEILING TILES AND OVER LIGHT FIXTURES. PROVIDE IC RATING IDENTIFICATION ON ALL FIXTURES WITH THIS CONDITION.
- 20. PROVIDE DEDICATED NEUTRAL CONDUCTOR FOR ALL BRANCH CIRCUITS.

THE OUTLET WITH THE CONNECTING LOCATION OF THE EQUIPMENT CAN

**LEGEND** 

HA-1

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Q Q

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INDICATES FACE

D=DATA. V=VOIP,

A=ANALOG VOICE.

CEILING OR WALL MOUNTED JUNCTION BOX

JUNCTION BOX MOUNTED FLUSH IN FLOOR

"WP" = WEATHERPROOF COVER

"WP" = WEATHERPROOF COVER

SINGLE-POLE TOGGLE SWITCH, MOUNT 48" AFF

THREE-WAY TOGGLE SWITCH, MOUNT 48" AFF

FOUR-WAY TOGGLE SWITCH, MOUNT 48" AFF

WALL BOX OCCUPANCY SENSOR, MOUNT 48" AFF

POWER PACK FOR CEILING MOUNTED OCCUPANCY SENSOR

CEILING MOUNTED OCCUPANCY SENSOR

DIMMER SWITCH, MOUNT 48" AFF

"IG" = ISOLATED GROUND

"IG" = ISOLATED GROUND

**EMERGENCY BATTERY PACK WITH 2 LAMP HEADS** 

"GF" = GROUND FAULT CIRCUIT INTERRUPTER

"GF" = GROUND FAULT CIRCUIT INTERRUPTER

DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED FLUSH IN FLOOR

DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED FLUSH IN CEILING.

ON CENTER OR AS INDICATED, MOUNT TO MILLWORK AS INDICATED.

INDICATED IN SPACE UTILIZING J -HOOKS ABOVE ACCESSIBLE CEILING.

HA-1,3,5 ---

(MOUNTING HEIGHTS GIVEN ARE TO CENTERLINE OF DEVICE UNLESS NOTED OTHERWISE)

HA-1,3,5 (EXAMPLE ONLY) INDICATES HOMERUN OF CIRCUITS 1, 3 AND 5 TO PANELBOARD HA.

MINIMUM CIRCUIT REQUIREMENTS ARE TWO NO. 12 CONDUCTORS AND ONE NO. 12 EQUIPMENT

GROUNDING CONDUCTOR. NUMBER(S) AND LOWER CASE LETTER(S) INDICATE CIRCUIT AND SWITCH-LEG

RECESSED OR SURFACE MOUNTED FLUORESCENT FIXTURE, SHADING INDICATES EMERGENCY FIXTURE

CEILING OR WALL MOUNTED EXIT LIGHT WITH DIRECTIONAL ARROWS AS SHOWN, DARKENED QUADRANT

DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT 18" AFF UNO. STANDARD RECEPTACLE UNLESS NOTED AS FOLLOWS:

COMBINATION DATA/TELEPHONE OUTLET WITH TYPE AND NUMBER OF CABLES AS INDICATED. MOUNT 18" AFF UNO WITH 1 1/4"C UP WALL TO ABOVE CLOSEST ACCESSIBLE CEILING. EXTEND CABLES TO COMMUNICATION ROOM

DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT 18" AFF UNO. STANDARD RECEPTACLE UNLESS NOTED AS FOLLOWS:

THE NUMBERS 3 OR 5 ADJACENT TO AN ARROW INDICATES A CIRCUIT CONTINUATION.

DESIGNATIONS RESPECTIVELY. CAPITAL LETTER INDICATES LIGHT FIXTURE TYPE.

WALL MOUNTED FLUORESCENT FIXTURE, SHADING INDICATES EMERGENCY FIXTURE

RECESSED OR SURFACE MOUNTED DOWNLIGHT, SHADING INDICATES EMERGENCY FIXTURE

SPECIAL PURPOSE RECEPTACLE, NEMA CONFIGURATION AS INDICATED, MOUNT 18" AFF UNO

SURFACE MOUNTED MULTI-OUTLET RACEWAY ASSEMBLY, RECEPTACLES SPACED 12"

FLUORESCENT STRIP FIXTURE, SHADING INDICATES EMERGENCY FIXTURE

WALL MOUNTED FIXTURE, SHADING INDICATES EMERGENCY FIXTURE

1, VERIFY EXISTING CONDITIONS AND LOCATIONS IN FIELD PRIOR TO SUBMITTING PROPOSAL. FAILURE TO DO SO SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING THE WORK REQUIRED UNDER THIS CONTRACT.

**ELECTRICAL GENERAL DEMOLITION NOTES:** 

- WIRING ENTERING AND LEAVING THE DEMOLITION AREA MAY SERVE EQUIPMENT OR SYSTEMS NOT IN THE DEMOLITION AREA. EQUIPMENT AND SYSTEMS NOT IN THE DEMOLITION AREA SHALL REMAIN IN SERVICE AT ALL TIMES. RECONNECT OR REPLACE WIRING THAT CONNECTS NEW OR EXISTING EQUIPMENT IN THE DEMOLITION AREA WITH EQUIPMENT NOT IN THE DEMOLITION AREA TO ASSURE EQUIPMENT NOT IN THE DEMOLITION AREA REMAINS IN SERVICE AT ALL TIMES.
- 3. MAKE NECESSARY MODIFICATIONS AND ADJUSTMENTS TO ALL ELECTRICAL ITEMS AND EQUIPMENT, BOTH NEW AND EXISTING AS MAY BE REQUIRED BY DEMOLITION, ALTERATION AND ADDITION.
- 4. DISCONNECT AT SOURCE AND REMOVE EXISTING ELECTRICAL MATERIALS AND EQUIPMENT. INCLUDING BUT NOT LIMITED TO LIGHTING FIXTURES. WIRING DEVICES, SYSTEMS/SIGNAL DEVICES, TELECOM DEVICES, CONDUIT AND WIRES, AND ALL OTHER ELECTRICAL ITEMS WHICH ARE RENDERED OBSOLETE BY THESE ALTERATIONS AND ADDITIONS. THESE ARE THE PROPERTY OF THE OWNER AND SHALL EITHER BE REMOVED FROM THE SITE OR RETURNED TO OWNER'S STOCK AT THE DISCRETION OF THE OWNER.
- 5. CONDUIT AND WIRE TO BE DEMOLISHED SHALL BE REMOVED FROM LOAD TO SOURCE UNLESS INDICATED OTHERWISE.
- 6. WHERE NECESSARY OR SHOWN, DISCONNECT, REMOVE, AND RELOCATE EXISTING ELECTRICAL MATERIALS AND EQUIPMENT, INCLUDING BUT NOT LIMITED TO LIGHTING FIXTURES, WIRING DEVICES, SYSTEMS/SIGNAL DEVICES, TELECOM DEVICES, CONDUIT AND WIRES, AND ALL OTHER ELECTRICAL ITEMS WHICH INTERFERE OR ARE INTERFERED WITH, OBSTRUCT OR ARE OBSTRUCTED BY THESE ALTERATIONS AND ADDITIONS. PERMANENTLY INSTALL SUCH ITEMS IN NEW LOCATIONS AS DIRECTED OR REINSTALL THESE ITEMS IN THEIR EXISTING LOCATIONS. PROVIDE NEW OUTLETS, CONDUIT, WIRING, ETC. AS REQUIRED TO EXTEND SERVICE TO NEW LOCATIONS. RECONNECT SUCH ITEMS IN PROPER OPERATING CONDITION AT NEW LOCATION.
- 7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE EXISTING BUILDING IN ELECTRICAL OPERATION AT ALL TIMES DURING THE ENTIRE CONSTRUCTION PERIOD. IF IT IS ABSOLUTELY NECESSARY TO SHUT DOWN, CONSULT WITH THE OWNER TO MAKE ARRANGEMENTS TO DO SO ON WEEKENDS OR OFF HOUR PERIODS AT THE OWNER'S CONVENIENCE. PRIOR NOTICE SHALL BE GIVEN THE OWNER 72 HOURS IN ADVANCE OF THE DESIRED SHUT-DOWN TIME. ANY PREMIUM OR OVERTIME COSTS NECESSARY TO ACCOMPLISH THE ABOVE SHALL BE INCLUDED IN ORIGINAL BID.
- 8. EXISTING LIGHT FIXTURES WHICH ARE INDICATED TO BE RELOCATED SHALL BE REPAIRED, IF DAMAGED, CLEANED AND RE-LAMPED. NEW LAMPS SHALL MATCH THOSE THAT ARE SCHEDULED FOR SIMILAR OR IDENTICAL LIGHT FIXTURES IN SIMILAR AREAS OR LOCATIONS.
- 10. DEMOLITION PRODUCTS, DEVICES AND EQUIPMENT NOT CLAIMED BY THE OWNER SHALL BE REMOVED FROM SITE AND DISPOSED OF PROPERLY IN ACCORDANCE WITH LOCAL, STATE AND NATIONAL REQUIREMENTS.

FIRE ALARM MANUAL PULL STATION, MOUNT 48" AFF FIRE ALARM COMBINATION AUDIO/VISUAL SIGNAL DEVICE, CEILING MOUNTED. FIRE ALARM VISUAL ONLY SIGNAL DEVICE, CANDELA VALUE INDICATED, BOTTOM MOUNTED 80" AFF CEILING OR WALL MOUNTED SMOKE DETECTOR

CEILING MOUNTED THERMAL DETECTOR FIRE ALARM FLOW SWITCH

FIRE ALARM TAMER SWITCH

PANELBOARD, FLUSH MOUNTED

PANELBOARD, SURFACE MOUNTED EQUIPMENT PLYWOOD BACKBOARD, SIZE AS INDICATED

DRY-TYPE TRANSFORMER, KVA AS INDICATED OR SCHEDULED

MOTOR, HP AS INDICATED: M INDICATES FRACTIONAL HORSEPOWER. PACKAGE CONTROL PANEL WITH MOTOR STARTER/CONTROLLER/CIRCUIT BREAKER OR DISCONNECT PROVIDED BY DIVISION 15

EQUIPMENT OR PANEL AS INDICATED

MOTOR RATED SWITCH WITH THERMAL OVERLOAD PROTECTION (MANUAL MOTOR STARTER) COMBINATION STARTER/DISCONNECT SWITCH: AMPS/POLES/FUSES AS INDICATED **⊠** 30/3/15FU

HEAVY DUTY NOT-FUSIBLE DISCONNECT SWITCH, AMPS/POLES AS INDICATED. HEAVY DUTY FUSIBLE DISCONNECT SWITCH: AMPS/POLES/FUSES AS INDICATED.

CONDUIT INSTALLED CONCEALED IN WALLS AND/OR ABOVE CEILING CONDUIT INSTALLED CONCEALED IN/OR BELOW FLOOR SLAB OR BELOW GRADE

CONDUIT INSTALLED EXPOSED CONDUIT TURNING UP/CONDUIT TURNING DOWN

CONDUIT TERMINATION, STUB-OUT WITH THREADED OR SETSCREW CAP CONNECTION TO GROUNDING ELECTRODE

1/4" X 2" X 12" COPPER GROUND BUSBAR WITH 5/16" HOLES MOUNT 18" AFF

**SMOKE DAMPER** 

PAGING SYSTEM SPEAKER, RECESSED IN CEILING

SACS CARD READER, 48" AFF

CCTV CAMERA (HARDWARE PROVIDED BY OTHERS). NO NOTATION INDICATES FIXED TYPE. PTZ ADJACENT INDICATES PAN-TILT-ZOOM TYPE

# SYMBOLOGY LEGEND: TYPICAL FOR ALL ELECTRICAL SHEETS

EQUIPMENT/DEVICE SHOWN CROSSHATCHED INDICATES EXISTING TO BE DEMOLISHED

EQUIPMENT/DEVICE SHOWN SCREENED INDICATES EXISTING TO REMAIN IN SERVICE

EQUIPMENT/DEVICE SHOWN BOLD INDICATES NEW

NOTE: SYMBOLOGY INCLUDES REQUIREMENTS WITHIN EXISTING PANELBOARD SCHEDULES.

# **ABBREVIATIONS:**

KILOVOLT

CONDUIT

MAXIMUM

MANHOLE

MINIMUM

MOUNTED

MAIN LUG ONLY

MICROWAVE OVEN

MAX.

MCB

MIN.

MTD

KILOVOLT AMPERES

MAIN CIRCUIT BREAKER

MOTOR CONTROL CENTER

LIQUIDTIGHT FLEXIBLE METALLIC

V 1/ ( 1 1 O 1 <b>(</b> O .		
AMPERES		
ABOVE CEILING	N	NEUTRAL, NEUTRAL CONDUCTOR OR
ABOVE FINISHED FLOOR		GROUNDED CONDUCTOR
ABOVE FINISHED GRADE	NC	NORMALLY CLOSED
AMPERE INTERRUPTING CAPACITY	NEC	NATIONAL ELECTRICAL CODE
AMMETER	NF	NOT FUSIBLE
AUTOMATIC TRANSFER SWITCH	NIC	NOT IN CONTRACT
AMERICAN WIRE GAUGE	NL	NIGHT LIGHT, NOT SWITCHED
BELOW CEILING	NMC	NON-METALLIC CONDUIT
CONDUIT		NORMALLY OPEN
		NOT TO SCALE
		OVERCURRENT PROTECTION
		POLE
	PB	PULLBOX
	PH	PHASE
	PNLBD	PANELBOARD
	PVC	POLYVINYL CHLORIDE
	RCPT	RECEPTACLE
	REF	REFRIGERATOR
	RGSC	RIGID GALVANIZED STEEL CONDUIT
FIRE ALARM CONTROL PANEL	SPEC	SPECIFICATION
FIRE DAMPER	ST	SHUNT TRIP
FLEXIBLE METALLIC CONDUIT	SW	SWITCH
GROUND OR FOLIPMENT GROUNDING CONDUCTOR	SWBD	SWITCHBOARD
GROUNDING ELECTRODE CONDUCTOR	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
GROUND FAULT CIRCUIT INTERRUPTER	TYP	TYPICAL
HAND-OFF-AUTOMATIC	UC	UNDER COUNTER
HORSEPOWER	UG	UNDERGROUND
ISOLATED GROUND OR	UL	UNDERWRITER'S LABORATORIES
ISOLATED GROUNDING CONDUCTOR	UNO	UNLESS NOTED OTHERWISE
JUNCTION BOX	V	VOLTS
	AMPERES ABOVE CEILING ABOVE FINISHED FLOOR ABOVE FINISHED GRADE AMPERE INTERRUPTING CAPACITY AMMETER AUTOMATIC TRANSFER SWITCH AMERICAN WIRE GAUGE BELOW CEILING CONDUIT CIRCUIT BREAKER CEILING DISPOSAL DISCONNECT SWITCH DISHWASHER EMPTY CONDUIT EQUIPMENT GROUNDING CONDUCTOR ELECTRICAL METALLIC TUBING EXISTING REMOVED EXISTING REMOVED EXISTING TO REMAIN FIRE ALARM CONTROL PANEL FIRE DAMPER FLEXIBLE METALLIC CONDUIT GROUND OR EQUIPMENT GROUNDING CONDUCTOR GROUND FAULT CIRCUIT INTERRUPTER HAND-OFF-AUTOMATIC HORSEPOWER ISOLATED GROUND OR ISOLATED GROUNDING CONDUCTOR	ABOVE CEILING ABOVE FINISHED FLOOR ABOVE FINISHED GRADE AMPERE INTERRUPTING CAPACITY  AMMETER AUTOMATIC TRANSFER SWITCH AMERICAN WIRE GAUGE BELOW CEILING CONDUIT CIRCUIT BREAKER CEILING DISPOSAL DISCONNECT SWITCH DISHWASHER EMPTY CONDUIT EQUIPMENT GROUNDING CONDUCTOR ELECTRICAL METALLIC TUBING EXISTING REMOVED/RELOCATED ELECTRIC WATER COOLER EXISTING TO REMAIN FIRE ALARM CONTROL PANEL FIRE DAMPER FLEXIBLE METALLIC CONDUIT GROUND OR EQUIPMENT GROUNDING CONDUCTOR GROUND FAULT CIRCUIT INTERRUPTER HAND-OFF-AUTOMATIC UC UNO UNION TO THE CONDUCTOR UNION TO THE CONDUCTOR UNION TYPE  HAND-OFF-AUTOMATIC UC UC UNION TRANSFER UR  NC NC AMERICAN NC

**VOLT AMPERES** 

**VOLT METER** 

WATT METER

WEATHERPROOF

TRANSFORMER

WATT

XFMR

VARIABLE FREQUENCY DRIVE

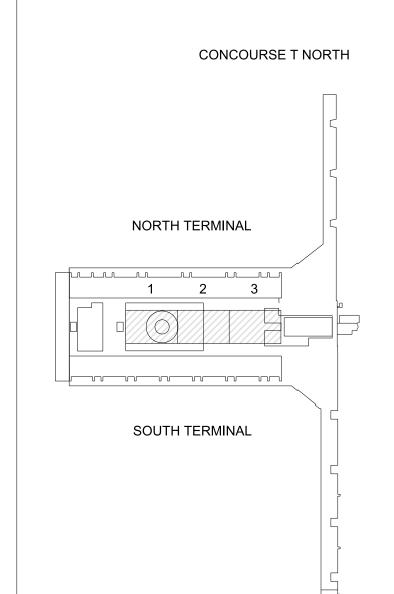
CITY OF ATLANTA, GEORGIA

Hartsfield-Jackson Atlanta International Airport **PROJECT TEAM** 



HEERY INTERNATIONAL, INC. 44 BROAD STREET 999 PEACHTREE STREET, NE ATLANTA, GA 30303 ATLANTA, GA 30309 PHONE:404 522 3801 PHONE: 404.419.9190 FAX: 404.522.3823 FAX: 404.946.2017

> RICHARD WITTSCHIEBE HAND ARCHITECTS 15 SIMPSON STREET ATLANTA, GA 30308 PHONE: 404.688.2200 FAX: 404.688.2400



**CONCOURSE T SOUTH** 

NORTH KEY MAP NO. DATE BY REVISION

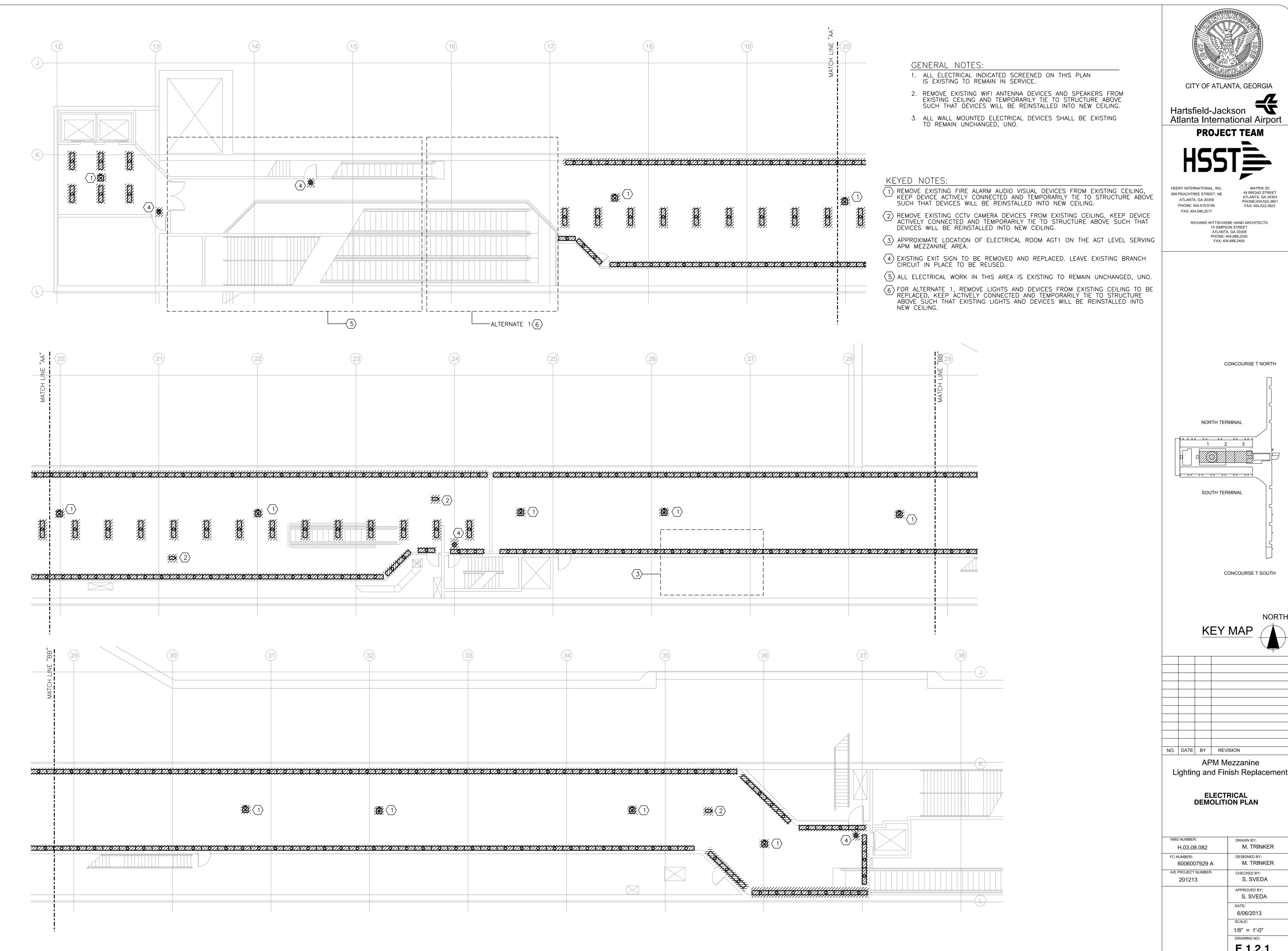
APM Mezzanine Lighting and Finish Replacement

> **ELECTRICAL** LEGEND. GENERAL NOTES, AND LIGHTING FIXTURE SCHEDULE

WBS NUMBER:	DRAWN BY:
H.03.08.082	M. TRINKER
FC NUMBER:	DESIGNED BY:
6006007929 A	M. TRINKER
A/E PROJECT NUMBER.	CHECKED BY:
201213	S. SVEDA
	APPROVED BY:
	S. SVEDA
	DATE:
	6/06/2013
	SCALE:
	DRAWING NO:

SEAL

E 0.0.1





CITY OF ATLANTA, GEORGIA

Atlanta International Airport **PROJECT TEAM** 

HEERY INTERNATIONAL, INC. 999 PEACHTREE STREET, NE ATLANTA, GA 30309 PHONE: 404.419.9190

PHONE:404.522.3801 FAX: 404.522.3823 RICHARD WITTSCHIEBE HAND ARCHITECTS 15 SIMPSON STREET

44 BROAD STREET

ATLANTA, GA 30303

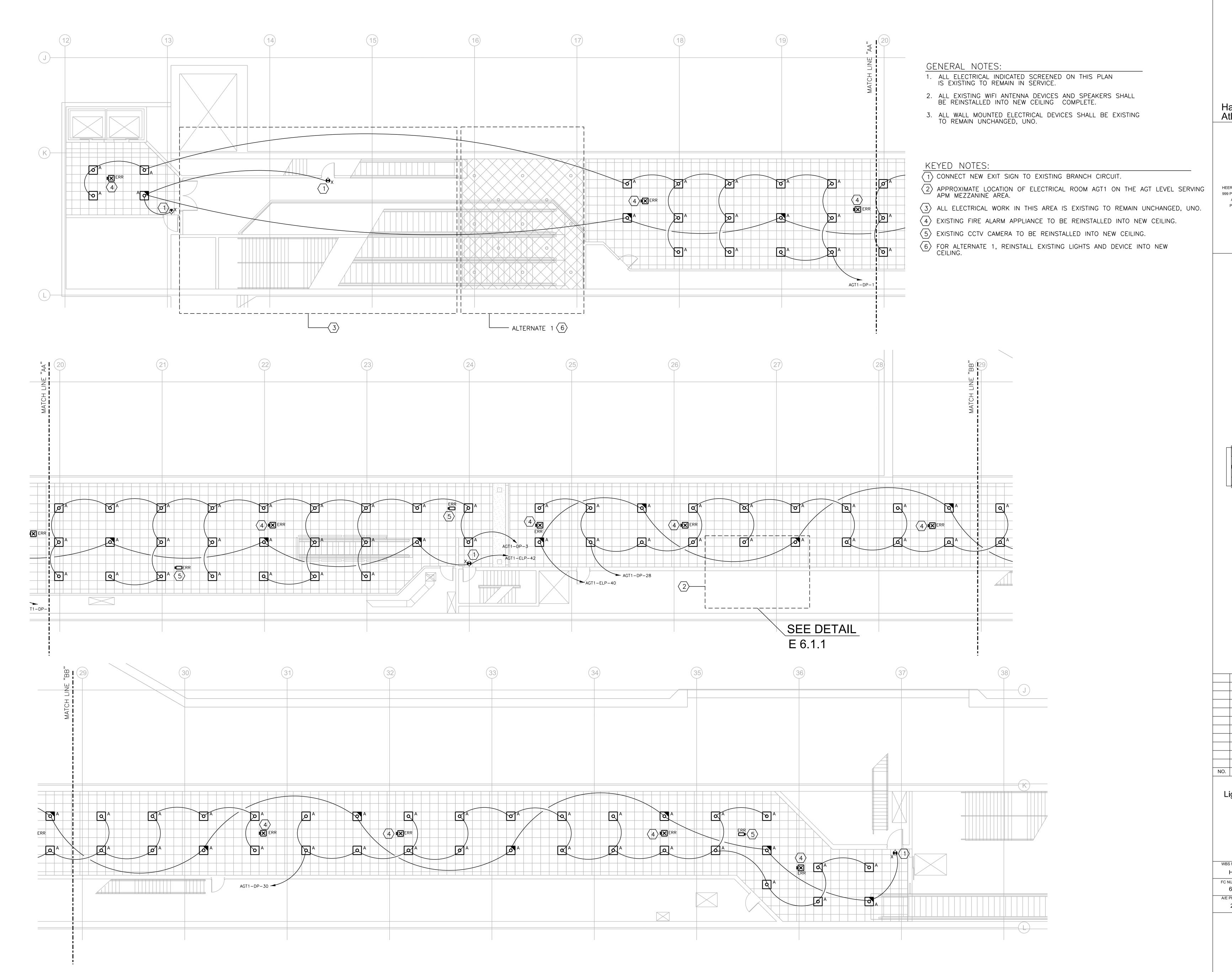
ATLANTA, GA 30308 PHONE: 404,688,2200 FAX: 404.688.2400

CONCOURSE T NORTH NORTH TERMINAL SOUTH TERMINAL CONCOURSE T SOUTH

NO. DATE BY REVISION

M. TRINKER H.03.08.082 M. TRINKER 6006007929 A A/E PROJECT NUMBER. S. SVEDA APPROVED BY: S. SVEDA 6/06/2013

> 1/8" = 1'-0" E 1.2.1





Hartsfield-Jackson

Atlanta International Airport

PROJECT TEAM

HSST)

HEERY INTERNATIONAL, INC. 999 PEACHTREE STREET, NE ATLANTA, GA 30309 PHONE: 404.419.9190 FAX: 404.946.2017

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ATLANTA, GA 30303

PHONE:404.522.3801 FAX: 404.522.3823

NORTH TERMINAL

SOUTH TERMINAL

CONCOURSE T SOUTH

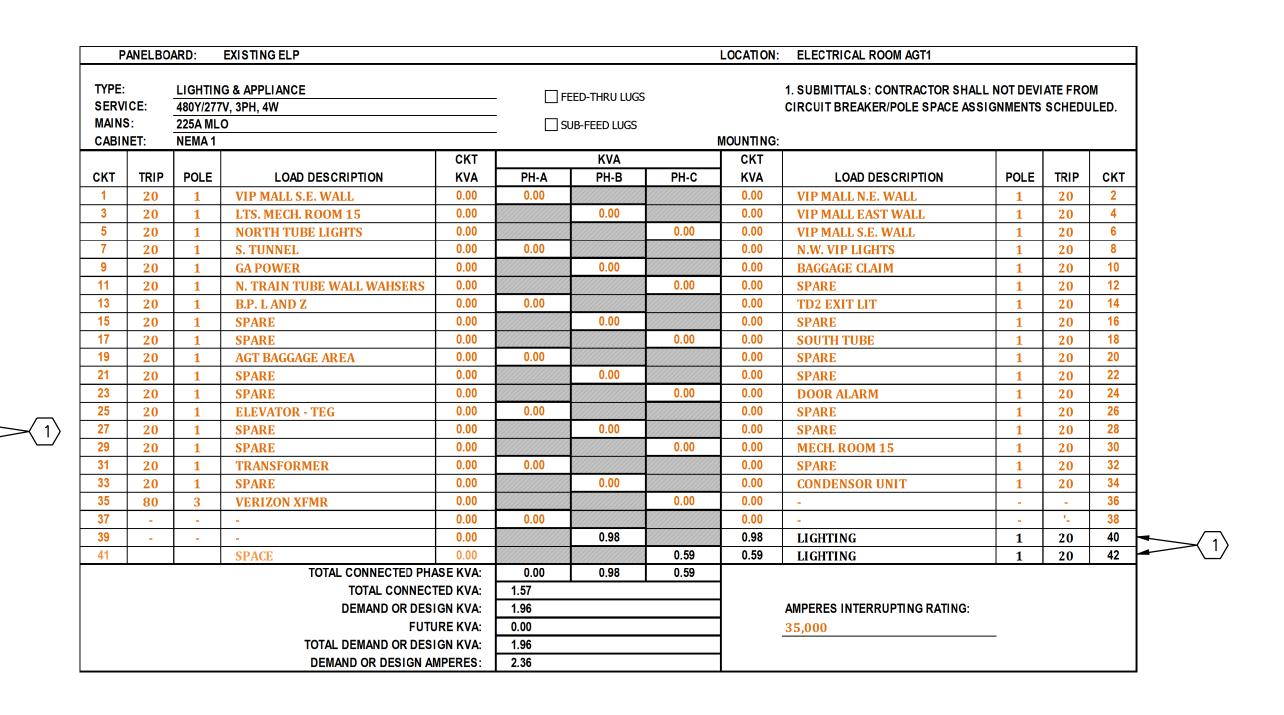
NO. DATE BY REVISION

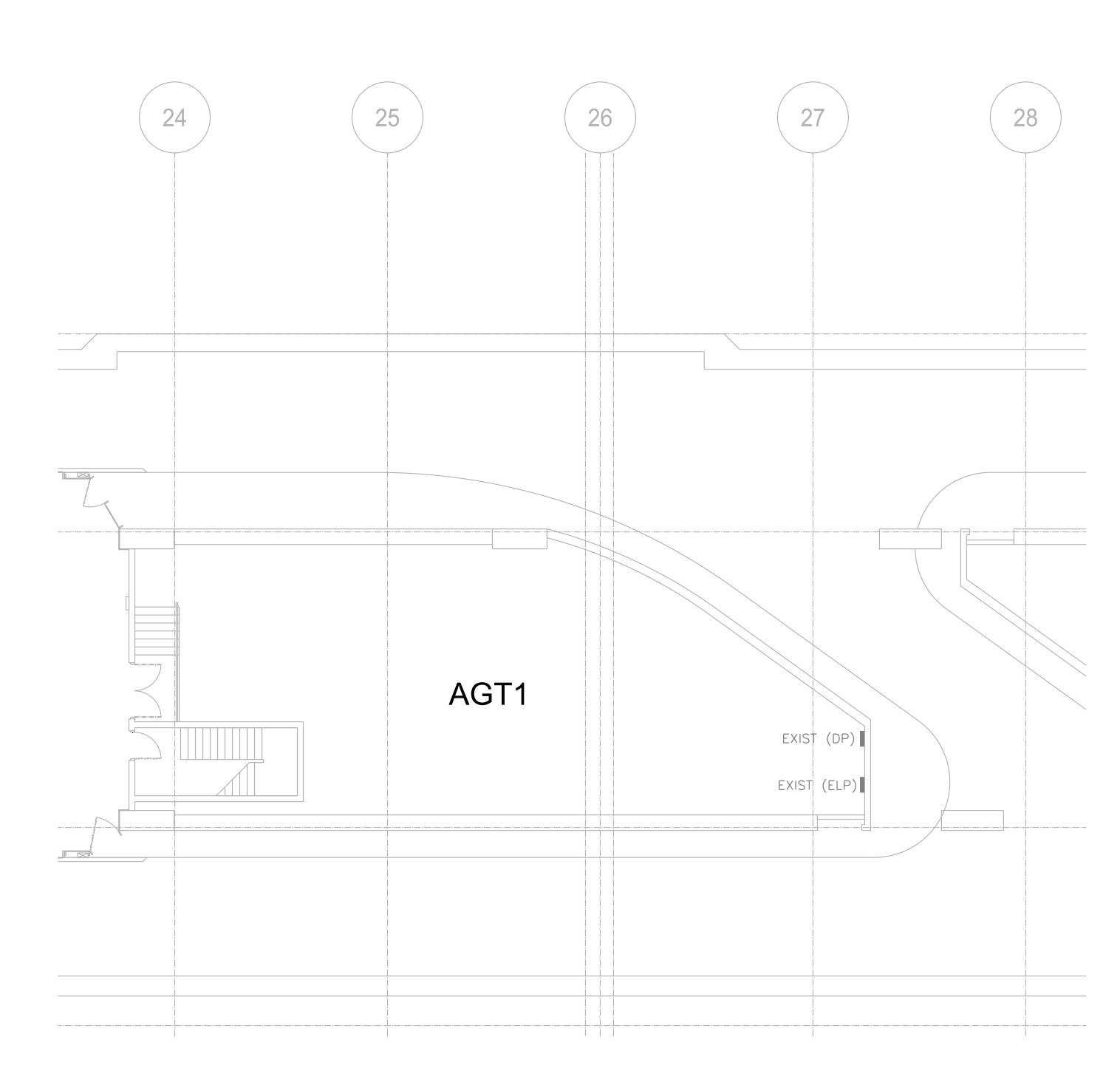
APM Mezzanine Lighting and Finish Replacement

> ELECTRICAL PLAN

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6006007929 A	M. TRINKER
A/E PROJECT NUMBER.	CHECKED BY:
201213	S. SVEDA
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	DATE:
	6/06/2013
	SCALE:
	1/8 " = 1 '-0"
	DRAWING NO:
SEAL	<b>E</b> 2.2.1

SE MA	SERVICE:         480Y/           MAINS:         225A		LIGHTING & APPLIANCE 480Y/277V, 3PH, 4W 225A MLO NEMA 1			- ☐ FEED-THRU LUGS - ☐ SUB-FEED LUGS			1. SUBMITTALS: CONTRACTOR SHALL NOT DEVIATE FROM CIRCUIT BREAKER/POLE SPACE ASSIGNMENTS SCHEDULE MOUNTING:			
				СКТ		KVA		СКТ				
CK.	T   TRI	P POLE	LOAD DESCRIPTION	KVA	PH-A	PH-B	PH-C	KVA	LOAD DESCRIPTION	POLE	TRIP	CK
1	20	1	LIGHTING	1.44	1.44			0.00	SPACE			2
3	20	1	LIGHTING	2.11		2.11		0.00	NEW SUMP PUMP	2	50	4
5	20	1	MINI SPEC SIGNS	0.00			0.00	0.00	-	-	-	6
7	20	1	SPARE	0.00	0.00			0.00	SPARE	1	20	8
9	20	1	SPARE	0.00		0.00		0.00	AGT	1	20	10
11	20	1	SPARE	0.00			0.00	0.00	SPARE	1	20	12
13	20	1	SPARE	0.00	0.00			0.00	SPARE	1	20	14
15	20	1	ESCALATOR	0.00		0.00		0.00	AGT	1	20	16
17	20	1	SPARE	0.00			0.00	0.00	SPARE	1	20	18
19	20	1	SPARE	0.00	0.00			0.00	LIGHTING	1	20	20
21	20	1	AGT	0.00		0.00		0.00	-	-	-	22
23	20	1	SPARE	0.00			0.00	0.00	LIGHITNG	1	20	24
25	60	3	T-4-B ESC.	0.00	0.00			0.00	-	-	-	26
27	-	-	-	0.00		2.02		2.02	LIGHTING	1	20	28
29	-	-	-	0.00			1.92	1.92	LIGHTING	1	20	30
			TOTAL CONNECTED	PHASE KVA:	1.44	4.13	1.92	]				
	TOTAL CONNECTED KVA:				7.49 9.36							
	DEMAND OR DESIGN KVA: FUTURE KVA:								AMPERES INTERRUPTING RATING:			
								35,000				







# GENERAL NOTES:

- ALL ELECTRICAL PANELBOARDS ARE EXISTING. ALL WORK SHOWN AS SCREENED IS TO REMAIN. NEW WORK IS SHOWN IN BOLD.
- 2. PANELBOARD SCHEDULES REPRESENT BEST AVAILABLE INFORMATION TO DATE. CONTRACTOR SHALL VERIFY AVAILABLE SPARES/SPACES AVAILABILITY AND ORIGINATE PROJECT REQUIRED CIRCUITS FROM AMONG AVAILABLE SPACES. PROVIDE NECESSARY CIRCUIT BREAKER AMPERAGE/POLE NECESSARY TO FULFIL THE CIRCUIT REQUIREMENTS AND MAKE EVERY EFFORT TO BALANCE CONNECTED LOAD ACROSS ALL THREE PHASES.

## KEYED NOTES:

PROVIDE NEW BREAKER (SIZE AND POLE RATING) AS INDICATED. THE NEW BREAKER'S ELECTRICAL CHARACTERISTICS SHALL MATCH EXISTING BREAKERS.

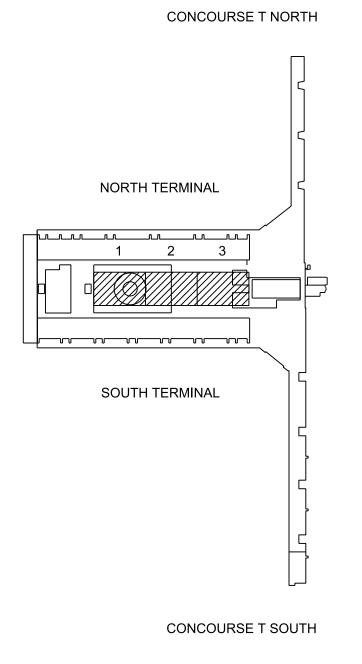


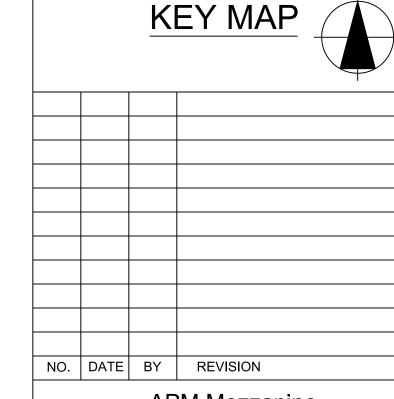
44 BROAD STREET

ATLANTA, GA 30303

PHONE:404.522.3801

FAX: 404.522.3823





**APM Mezzanine** Lighting and Finish Replacement

ELECTRICAL SCHEDULES AND DETAILS

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H.03.08.082	M. TRINKER	
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201213	S. SVEDA	
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	S. SVEDA	2
	DATE:	
	6/06/2013	
	SCALE:	Ĺ
	NONE	
	DRAWING NO:	<u>0</u>
SEAL	<b>E</b> 6.1.1	